

RODIN™ BOND

Dental Adhesive

Instructions for Use



Rodin™ Bond

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Thank you for putting your trust and confidence in another high-quality Pac-Dent product. Please take a moment to read these instructions before using the material.

Rodin™ Bond is a light-cured single-bottle adhesive system that has been meticulously designed to be fully compatible with light-cured, self-cured, and dual-cured composite materials. Rodin™ Bond is filled with nanohybrid glass, a unique technology that provides the highest level of protection against microleakage while sustaining high bond strengths across a variety of surfaces. The innovative filler not only reinforces the hybrid zone, but also penetrates the dentin tubules, creating a true “structural bond” not found in unfilled adhesives. With Rodin™ Bond, adhesion promoters are carried in an ethanol solvent, diminishing both the tedious need for multiple coats and constant re-application commonly found with acetone adhesives. Rodin™ Bond is indicated for both direct and indirect bonding applications (in conjunction with a luting agent such as Rodin™ Luting Cement).

Rodin™ Bond is the first and the best of its kind for use with 3D printing materials (specifically Rodin™ 3D Resin).

Rodin™ Sculpture is the optimal material for creating natural-looking, durable, long-lasting, custom dental single crown, and multi-unit bridges.

For the best results, Rodin™ Bond is recommended to be used in combination with Pac-Dent’s Primer and Desensitizer, SensiGuard™. The unique formula of **SensiGuard™** promotes bonding and seals tubules to prevent postoperative sensitivity. It can be applied under amalgam, composite, cements, provisional or final restorations. SensiGuard™ is compatible with all bonding agents and can be used under every restoration, both direct and indirect, to ensure your patients the comfort they deserve.

Rodin™ Bond is available in two delivery systems: Bottle and Unit Dose. Pac-Dent’s Unit Dose delivery adhesive system is the best of its kind, designed as a progressive step toward ensuring fresh material for each bonding procedure.

**Unit Dose Delivery – for single patient use only,
to prevent cross contamination between patients.**

Indications for use:

- Direct restorations with light curing composites and compomers.
- Intraoral repair using light curing composites.
- Root surface desensitization.
- Sealing of cavities before filling with amalgam.
- Sealing of cavities and tooth preparations before temporary placement of indirect restorations.
- Composite to composite.
- Composite to porcelain and/or metal.
- Indirect bonding of veneers (used in conjunction with a resin luting agent).
- Indirect bonding of inlays, onlays, and crowns (used in conjunction with a resin luting agent such as Rodin™ Luting Cement).
- As the adhesive in post and core applications.

Kit Configuration Options:

- Rodin™ Bond is available in two kit configurations and two delivery systems:
- Traditional bottle kit and delivery (5ml x 2 bottles)
- Unit Dose (single dose) delivery (0.1ml per packet x 100 packets)

Directions for opening and/or dispensing:

Unit Dose delivery:

For single patient use only, to prevent cross contamination between patients.

- Twist and open the unit dose device.
- Insert the applicator brush into the container to saturate the tip.
- Discard Unit Dose device after use.

Bottle delivery:

- Shake bottle prior to dispensing.
- Dispense 1-2 drops of adhesive into disposable mixing well. Replace the cap onto the bottle promptly to avoid evaporation of solvent.
- Wet applicator tip completely.

Directions for Use: Rodin™ Bond

The utilization of SensiGuard after acid etching is optional.

Following acid etching, dispense SensiGuard™ into disposable mixing well. Apply the product using an applicator tip over enamel and dentin surfaces, gently for a duration of 15 seconds. Gently air dry for approximately 5 seconds until the SensiGuard™ does not move. Avoid any salivary contamination.

Direct Bonding with Rodin™ Bond

1. Apply 38% phosphoric acid etch (PacEtch™ Pro)* on enamel and dentin and leave it in place for 15 seconds.
2. Rinse with water thoroughly for 5 seconds, ensuring that all etch is removed. Gently air dry for approximately 5 seconds being careful not to desiccate dentin.
3. Apply a puddle coat of Rodin™ Bond and gently agitate for 10 seconds.
4. Thin/dry for 10 seconds using air pressure between 1/4 and 1/2.
5. Light cure for 10 seconds.
6. Apply composite and light cure.

Bonding Composite to Composite

1. Prepare 2 to 3 mm bevel surrounding the fractured composite.
2. Etch composite with 9% to 12% hydrofluoric acid** for one minute. Be careful to avoid the mucosa, and use rubber dam when possible.
3. Rinse and dry thoroughly, ensuring that all acids are removed.
4. Apply Rodin™ Silane Primer to etched composite surface.
5. Dry lightly (1 second).
6. Apply Rodin™ Bond to composite surface for 10 seconds.
7. Thin/dry for 10 seconds using air pressure between 1/4 and 1/2.
8. Light cure for 10 seconds.
9. Place composite and light cure.

Bonding Composite to Porcelain and metal

1. Prepare 2 to 3 mm bevel surrounding the fractured porcelain
Clean metal of debris -sandblast when possible. It is sometimes advantageous to create undercuts within metal.
2. Apply 9% to 12% hydrofluoric acid gel** to the porcelain surfaces for one minute. Be careful to avoid the mucosa, and use rubber dam whenever possible.
3. Wash thoroughly and dry well.
4. Apply Rodin™ Silane Primer to etched porcelain surface.
5. Dry lightly (1 second).
6. Apply a puddle coat of Rodin™ Bond and gently agitate for 10 seconds.
7. Thin/dry for 10 seconds using 1/4 to 1/2 air pressure.
8. Light cure for 10 seconds.
9. Coat any exposed metal surfaces with a light-cured opaquer per manufacturer's instructions.
10. Place composite and light cure.

Amalgam Sealing

1. Use standard amalgam preparation (G.V. Black), with appropriate undercut retention.
2. Etch enamel/dentin for 15 seconds with PacEtch™ Pro (38% phosphoric acid)*.
3. Rinse thoroughly for 5 seconds to remove all acids and dry lightly.
4. Apply a puddle coat of Rodin™ Bond and gently agitate for 10 seconds.
5. Thin/dry for 10 seconds using 1/4 to 1/2 air pressure.
6. Light cure 10 seconds.
7. Place amalgam.

Indirect Bonding

These instructions cover the bonding phase of an indirect luting procedure. To ensure the correct application of your chosen luting cement, please consult its specific directions. Pac-Dent Rodin™ Luting Cement, a resin luting agent, is well-suited for this purpose and is recommended as the preferred luting agent for single crowns and multi-unit bridges.

Veneers

1. Remove temporary and thoroughly clean the tooth surface of debris.
2. Etch enamel/dentin surfaces for 15 seconds with PacEtch™ Pro (38% phosphoric acid)*.
3. Rinse thoroughly for 5 seconds to remove all acids and dry lightly.
4. Apply a puddle coat of Rodin™ Bond and gently agitate for 10 seconds.
5. Thin/dry for 10 seconds using 1/4 to 1/2 air pressure.
6. Light cure for 10 seconds.
7. Continue with luting procedure, using preferred luting agent.

Crowns, Bridges, Inlays and Onlays and Metal Based Restorations

1. Remove temporary and thoroughly clean the tooth surface of debris.
2. Etch enamel/dentin surfaces for 15 seconds with PacEtch™ Pro (38% phosphoric acid)*.
3. Rinse with water thoroughly for 5 seconds, ensuring that all etch is removed. Gently air dry for approximately 5 seconds being careful not to desiccate dentin.
4. Apply a puddle coat of Rodin™ Bond and gently agitate for 10 seconds.
5. Thin/dry for 10 seconds using 1/4 to 1/2 air pressure.
6. Light cure for 10 seconds.
7. Apply resin cement (Rodin™ Luting Cement) according to instructions for use*.

Core Materials

1. Etch enamel/dentin surfaces for 15 seconds with PacEtch™ Pro (38% phosphoric acid)*.
2. Rinse with water thoroughly for 5 seconds, ensuring that all etch is removed. Gently air dry for approximately 5 seconds being careful not to desiccate dentin.
3. Apply a puddle coat of Rodin™ Bond and gently agitate for 10 seconds.
4. Thin/dry for 10 seconds using 1/4 to 1/2 air pressure.
5. Light cure for 10 seconds.
6. Mix core material.
7. Apply first layer of 2 mm thickness or less to tooth structure and light cure.
8. Build remaining core in bulk.

Cementation of Posts

1. Prepare post space. Size and fit post.
2. Etch enamel/dentin surfaces for 15 seconds with PacEtch™ Pro (38% phosphoric acid)*.
3. Rinse with water thoroughly for 5 seconds, ensuring that all etch is removed. Gently air dry for approximately 5 seconds being careful not to desiccate dentin.
4. Apply Rodin™ Bond on the post.
5. Light cure.
6. Apply a puddle coat of Rodin™ Bond and gently agitate for 10 seconds.
7. Thin/dry for 10 seconds using 1/4 to 1/2 air pressure. Avoid pooling of adhesive before light curing. Remove excess adhesive with a dry applicator brush or absorbent paper point.
8. Light cure for 10 seconds.
9. Mix resin cement according to manufacturer's instructions for use; apply to post and seat.
10. Light cure.

CAUTION:

Uncured methacrylate resin may cause contact dermatitis and damage the pulp. Avoid contact with skin, eyes, and soft tissue. Wash thoroughly with water after contact.

***CAUTION:**

Contains Phosphoric Acid. Avoid contact with skin, eyes, and soft tissue. In case of contact with skin or eyes, flush immediately with water; get medical attention for eyes. Do not take internally.

****CAUTION:**

Contains hydrofluoric acid (HF). Avoid contact with skin, eyes, and soft tissue. In case of contact with skin or eyes, flush immediately with water. Get medical attention. Do not take internally. The use of a rubber dam is recommended for safety when using HF. Wash thoroughly (ALL GEL MUST BE REMOVED!) and air dry

Storage:

Recommended storage conditions are between 2°C/36°F to 25°C/77°F, bringing to room temperature before using (22°C/72°F). Do not freeze. See outer package for expiration date.

WARRANTY:

Pac-Dent, Inc. recognizes its responsibility to replace products if proven to be defective. Pac-Dent, Inc. does not accept liability for any damages or loss, either direct or consequential, stemming from the use of or inability to use the products as described. Before using, it is the responsibility of the user to determine the suitability of the product for its intended use. The user assumes all risk and liability in connection therewith.



Harmful
If Swallowed



Health
Hazard



Consult
Instructions for Use



only



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Manufactured For **Pac-Dent, Inc.**
670 Endeavor Circle,
Brea, CA 92821
www.pac-dent.com